

MICHIGAN WATER RESOURCES COMMISSION

BRIEFING MEMO

US EPA RECORDS CENTER REGION 5



472956

Michigan Standard Alloys, Inc. } *File*
Zinc Division
1256 Milton Street
Benton Harbor, Michigan

N.P.D.E.S. Permit #MI 0037117

The company uses city water in contact and noncontact cooling systems as they produce various alloys of zinc ingots for the die casting industry. These cooling waters are discharged from the company's property at two locations into the City of Benton Harbor storm sewers which discharge to Ox Creek.

Discharge 001 (Milton Avenue)--Noncontact cooling water used in cooling pig mold jackets.

Discharge 002 (Hurd Avenue)-- Noncontact cooling water used in cooling pig molds, and a small volume of contact cooling water used in spray quenching the pigs.

Schedule of Compliance Rationale

(It should be noted that since this permit's public notice is dated June 13, 1975, the permit issuing authority should extend the compliance schedule dates appropriately.)

Discharge 001: No compliance dates required as discharge is noncontact cooling water.

Discharge 002: A 12-month initial limitations period will allow the company to obtain data and evaluate their ability to meet final effluent limits. Similar quenching operations have been successfully close-looped, or, the company may decide to divert this small waste stream into the sanitary sewer. A M.W.R.C. survey (March 26-28, 1973) showed that the Hurd Street discharge (contact and noncontact combined) had 32 oils, 37 suspended solids, and 3.6 zinc (all mg/l).

Robert F. Babcock

RFB

RFB/mc
9-17-75